Thermaltake XaserVI Mx VH9000 Series

This time ,
don't let XaserVI Mx slip away !

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Chapter 1. Product Introduction

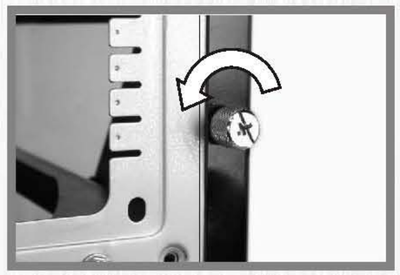
Specification

Model	VH9000BWS	VH9000BNS	VH9000SWS	VH9000SNS
Case Type	Middle Tower			
Dimension (H*W*D)	520 x 220 x 520 mm 20.74 x 8.66 x 20.74 inch			
Net Weight / Gross Weight	8.35 kg / 18.40 lb			
Window side panel	Yes	No	Yes	No
Cable management	Yes	Yes	Yes	Yes
Adjustable PSU bridge	Yes	Yes	Yes	Yes
Material	Front door: Plastics / Chassis: 1.0mm SECC			
Color	Chassis color: Black / Metal mesh : Red		Chassis color : Silver / Metal mesh : Black	
Cooling System	VH9000BWS & VH9000SWS	Front (intake) : 120 x 120 x 25 mm TurboFan, 1300rpm, 17dBA Rear (exhaust) : 120 x 120 x 25 mm blue LED fan, 1300rpm, 17dBA		
	VH9000BNS & VH9000SNS	Front (intake) : 120 x 120 x 25 mm TurboFan, 1300rpm, 17dBA Rear (exhaust) : 120 x 120 x 25 mm TurboFan, 1300rpm, 17dBA		
Motherboards	9.6" x 9.6" (Micro ATX), 12" x 9.6" (ATX)			
Drive Bays -5.25" Drive Bay -3.5" Drive Bay -3.5" Drive Bay (Hidden)	5 1 4			
Front I/O	e-SATA connector x 1, USB 2.0 x 2, HD Audio			
Expansion Slots	7			

Chapter 2 Case Mechanical Operation

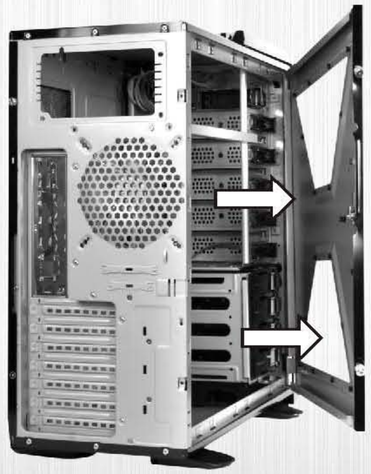
2.1 How to Open the Side Panel

Open the left-hand side panel



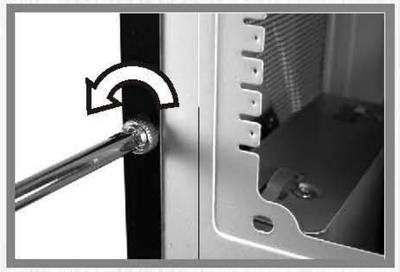
To remove the left-hand side panel, please remove thumb screws on the back of the case.

Please find side panel key in the back of the case, and open the side panel. Make sure the side panel lock is opened.

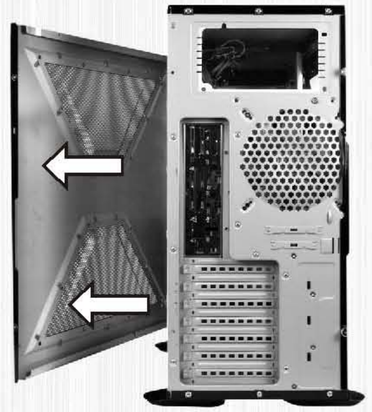


Pull out the left-hand side panel as arrow shows.

Open the right-hand side panel

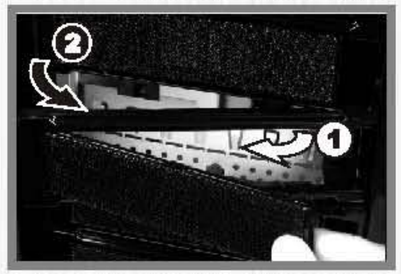


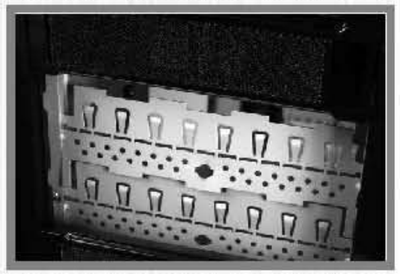
To remove the right-hand side panel, please remove screws on the back of the case.



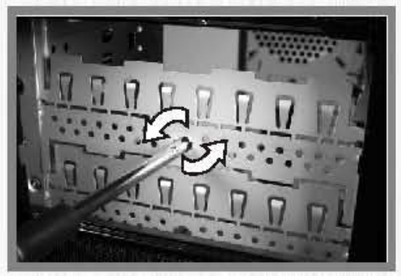
Pull out the right-hand side panel as arrow shows.

2.2 5.25" Device Installation





Remove the 5.25" drive bay cover as shown.

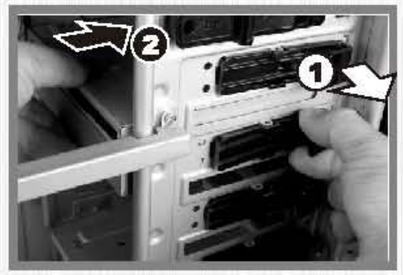


Remove the 5.25" drive bay metal cover.

Put 5.25" device into the drive bay till the locked-position.

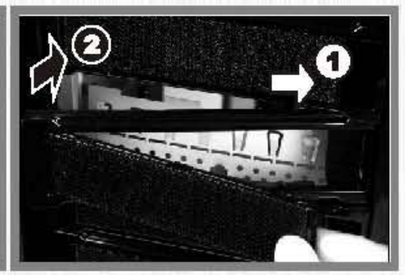
Notice:
It is possible to secure the 5.25" device by screws if not feel stable enough.

How to remove 5.25" device



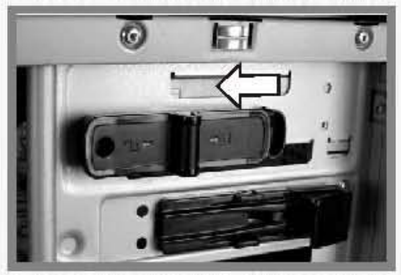
Pull the right-hand side of the lever to remove the 5.25" device.

How to put back the 5.25" drive bay cover

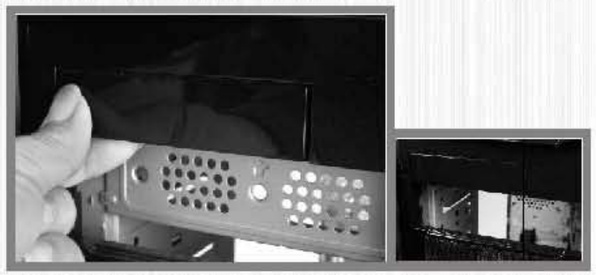


Install the 5.25" drive bay cover as shown.

2.3 3.5" Device Installation



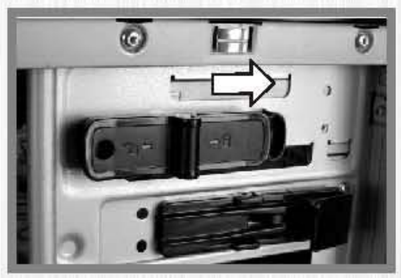
Unlock the tool-free clip.



Remove the 3.5" plastic cover.

Notice:
Please remove the 1st 5.25" drive bay cover before taking away the 3.5" plastic cover.

Insert the 3.5" drive into the front of chassis.



Secure the 3.5" device as shown.

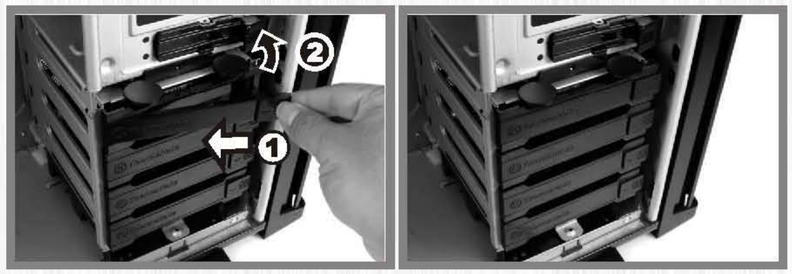
2.4 HDD Installation

Remove the HDD tray by pressing the handle and pull the tray out.

Place HDD on the tray.

Secure HDD using the clips onto the HDD tray for both side.

Slide the HDD tray back to the drive bay.

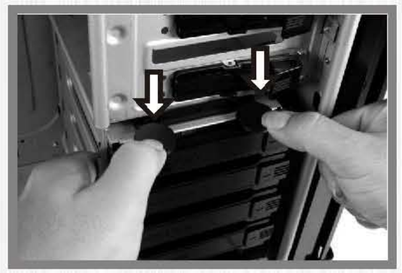


Press the handle to lock the HDD tray.

Organized HDD cable management.

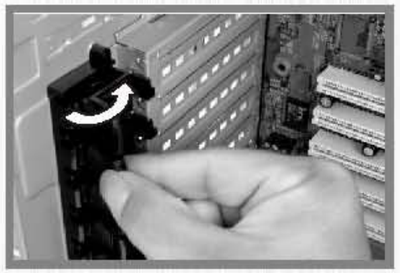
2.5 How to Remove the HDD Cage

Unscrew the thumb screws of the cage.



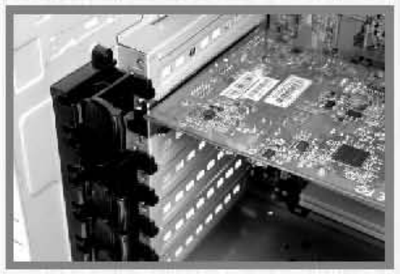
Push the handle down and pull the cage out.

2.6 PCI Slot Tool-Free Usage

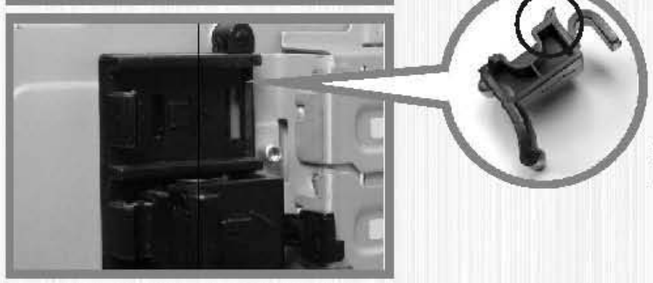


Release the plastic clip as shown.

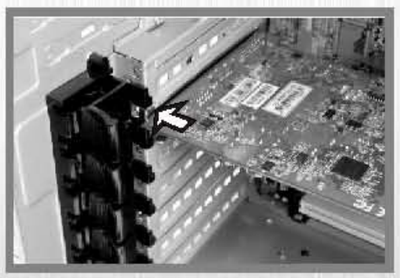
Take off the PCI bracket.



Locate Graphic Card to the motherboard through fixing it on the space of PCI bracket and insert it to the PCI slot.



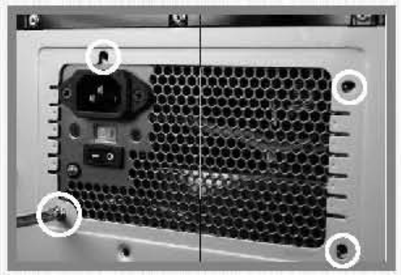
Notice:
Fix the pin into the hole.



Push back the plastic clip to secure the Graphic Card.

2.7 Power Supply Installation

Unscrew the PSU supporting bridge.



Place the PSU over the location as shown and secure PSU by screws.

Fasten the supporting bridge using screws.

Finish PSU Installation.

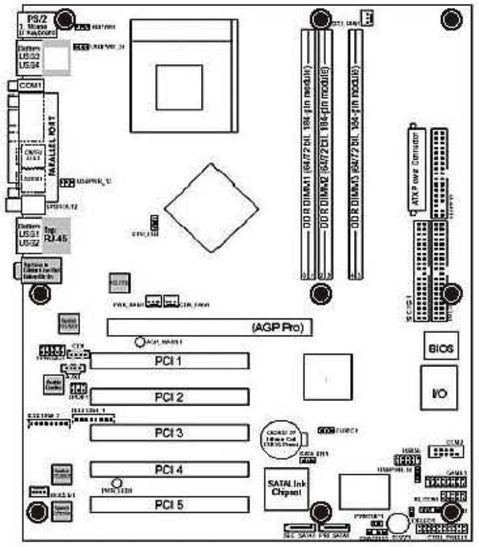
Chapter3 Motherboard & Leads Installation

3.1 Motherboard Installation

Each motherboard has different standoff layout. It is highly suggested that you refer to your motherboard's manual when installing motherboard into the Case. XaserVI Mx is applicable with , ATX & Micro ATX motherboards. Your motherboard may require a special I/O Panel, which should be included with your motherboard.

Placement Direction:
When installing the motherboard, make sure you follow the direction provided by your motherboard manufacturer. On most standard motherboards, the edge with external ports goes to the rear part of the chassis. It is highly recommended that you install CPU, heat sink and modular components before fixing the motherboard inside the chassis.

This side towards the rear of the chassis



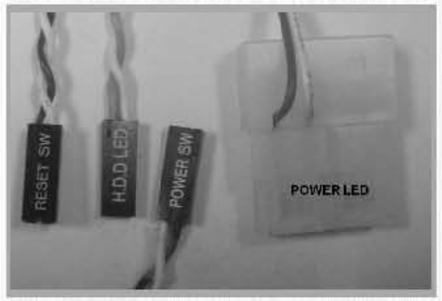
● = the locations of the screw holes. Note these locations and place included standoffs on the chassis first.

Above illustration is a sample of what the motherboard's layout. For more detail screw hole placement, please refer to your motherboard manual.

3.2 Case LED connection

On the front of the case, you can find some LEDs and switch leads (POWER SW*1, POWER LED*1, H.D.D. LED*1, RESET SW*1)
Please consult user manual of your motherboard manufacturer, then connect these leads to the panel header on the motherboard. These leads are usually labeled; if not, please trace them back to the case front to find out their source.

- **POWER LED**
  connects to your M/B at the PLED
- **POWER SW**
  connects to the PWR connector on the motherboard
- **H.D.D LED**
  connects to the 2-pin labeled HDD LED connector
- **RESET SW**
  connects to the RSW connector on the motherboard

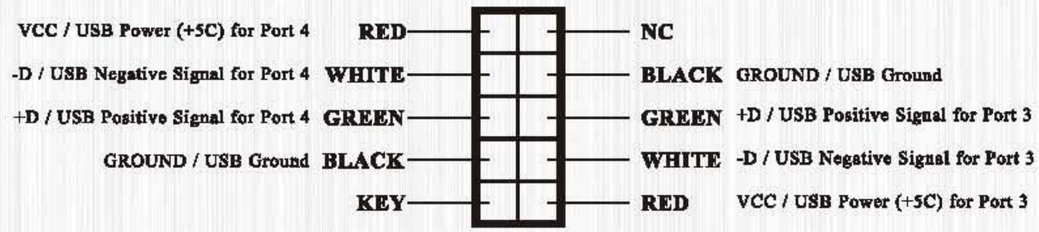


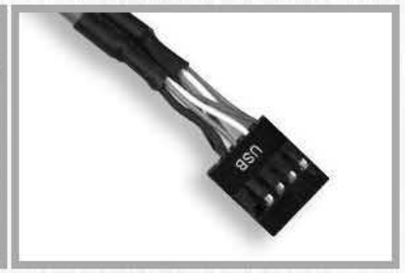
3.3 USB 2.0 Connection

USB connection

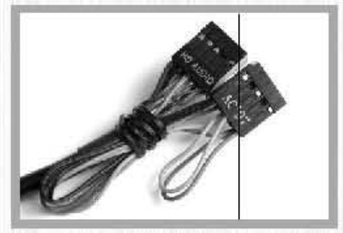
Please consult your motherboard manual to find out the section of "USB connection".

USB Function

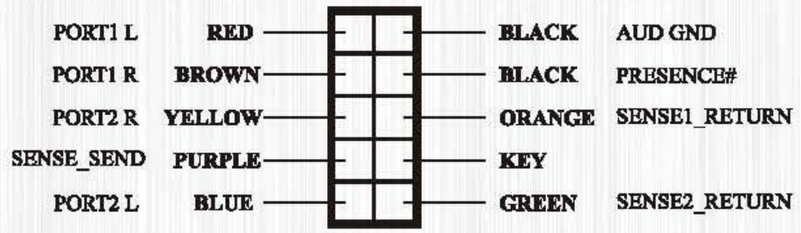




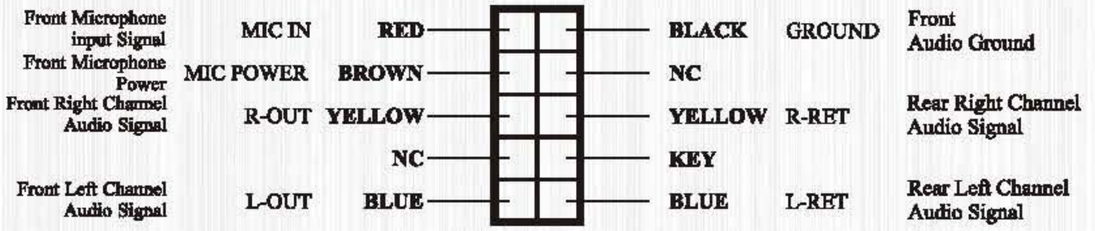
3.4 Audio Connection



- Please refer to the following illustration of Audio connector and your motherboard user manual.
- Please select the motherboard which used AC'97 or HD Audio (Azalia), (be aware of that your audio supports AC'97 or HD Audio (Azalia)) or it will damage your device(s).
- On some motherboards, the connectors for Audio are not the same as the drawing below. Please check with your motherboard manual before installing.

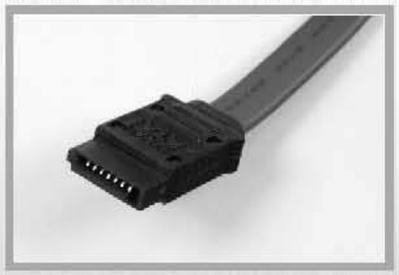


AUDIO AZALIA Function



AUDIO AC'97 Function

3.5 e-SATA connection



Connect this to your motherboard at SATA.

Chapter4 Other

4.1 Toughpower / Purepower / TR2 power supply series (optional)

The Thermaltake Power Supply series specification meets latest Intel & AMD dual & Quad core processors and NVIDIA & AMD high performance graphic cards; it offers plenty of functions, which mainly include:

1. Automatic Fan Speed Control: All power supply can detect the inside heat and automatically adjust the fan speed to provide adequate airflow.
2. Ultra Silent: Ball bearing fans with high reliability 140mm or 120mm cooling fan and super low acoustic noise under all load condition.
3. Modularized Cable Management: To eliminate clutter and improve airflow inside the case.
4. Dedicated Graphic Card Power: reduce the loading on current PSU and no need to upgrade current PSU while running multi graphic cards mode.

The functions can assure all Thermaltake Power Supply meets the balance in noise control and heat exhausted. All power supply provides complete protection function as follow:

1. Over power protection.
2. Short circuit protection on all output.
3. Over voltage protection / Under voltage protection.
4. Over current protection.
5. Over temperature protection.

Besides, Thermaltake enables the quality assurance of all power supply: 100% Hi-POT and ATE Function Test, 100% Burn-In and AC Input cycled on/off under high temperature condition. Furthermore, it has been approved by **UL, CUL, TUV, CB, FCC, CE, and BSMI.**

There are three main products line of Thermaltake PSU which divided into Toughpower, Purepower (include Purepower RX) and TR2 (include TR2 RX) series. Please refer to
http://www.thermaltake.com/product/Power/power_index.asp